Resource Summary Report

Generated by RRID on Aug 19, 2026

mCherry-Mito-7

RRID:Addgene_55102
Type: Plasmid

Proper Citation

RRID:Addgene_55102

Plasmid Information

URL: http://www.addgene.org/55102

Proper Citation: RRID:Addgene_55102

Insert Name: Mito

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Defining Citation: PMID:18228502

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mCherry; Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: . Excitation = 587; Emission = 610

Plasmid Name: mCherry-Mito-7

Record Creation Time: 20220422T222323+0000

Record Last Update: 20260815T081646+0000

Ratings and Alerts

No rating or validation information has been found for mCherry-Mito-7.

No alerts have been found for mCherry-Mito-7.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 40 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Vineall KG, et al. (2026) Visualizing PINK1 Activity Dynamics in Single Cells with a Phase Separation-Based Kinase Activity Reporter. ACS sensors, 11(2), 1517.

Ali M, et al. (2025) ANKZF1 helps to eliminate stress-damaged mitochondria by LC3-mediated mitophagy. Cell death discovery, 11(1), 349.

Field JT, et al. (2025) The mitophagy receptor BNIP3L/Nix coordinates nuclear calcium signaling to modulate the muscle phenotype. Autophagy, 21(7), 1544.

Ramírez OA, et al. (2025) Pharmacological Targeting of the NMDAR/TRPM4 Death Signaling Complex with a TwinF Interface Inhibitor Prevents Excitotoxicity-Associated Dendritic Blebbing and Organelle Damage. Cells, 14(3).

Vineall KG, et al. (2025) Visualizing PINK1 Activity Dynamics in Single Cells with a Phase Separation-Based Kinase Activity Reporter. bioRxiv : the preprint server for biology.

Borrelli MJ, et al. (2025) Spatiotemporal analysis of ratiometric biosensors in live multicellular spheroids using SPoRTS. Cell reports methods, 5(2), 100987.

Hwang S, et al. (2025) Sphingolipid synthesis maintains nuclear membrane integrity and genome stability during cell division. The Journal of cell biology, 224(8).

Garg V, et al. (2025) Patient-specific mutation of contact site protein Tomm70 causes neurodegeneration. Disease models & mechanisms, 18(4).

Dasgupta SK, et al. (2024) ?2-glycoprotein I promotes the clearance of circulating mitochondria. PloS one, 19(1), e0293304.

Karbanová J, et al. (2024) Extracellular lipidosomes containing lipid droplets and mitochondria are released during melanoma cell division. Cell communication and signaling : CCS, 22(1), 57.

Kaur H, et al. (2024) Differentiation activates mitochondrial OPA1 processing in myoblast cell lines. Mitochondrion, 78, 101933.

Zhang S, et al. (2023) The glycoprotein 5 of porcine reproductive and respiratory syndrome virus stimulates mitochondrial ROS to facilitate viral replication. mBio, 14(6), e0265123.

Ribeiro SS, et al. (2023) Intracellular spatially-targeted chemical chaperones increase native state stability of mutant SOD1 barrel. Biological chemistry, 404(10), 909.

Isei MO, et al. (2023) Site-specific phosphorylation of tau impacts mitochondrial biology and response to stressors. bioRxiv : the preprint server for biology.

Danese A, et al. (2022) Pathological mitophagy disrupts mitochondrial homeostasis in Leber's hereditary optic neuropathy. Cell reports, 40(3), 111124.

Pagesy P, et al. (2022) Short O-GlcNAcase Is Targeted to the Mitochondria and Regulates Mitochondrial Reactive Oxygen Species Level. Cells, 11(11).

Demange P, et al. (2022) SDR enzymes oxidize specific lipidic alkynylcarbinols into cytotoxic protein-reactive species. eLife, 11.

Engel AJ, et al. (2021) Codon Bias Can Determine Sorting of a Potassium Channel Protein. Cells, 10(5).

Du Y, et al. (2021) VPS13D interacts with VCP/p97 and negatively regulates endoplasmic reticulum-mitochondria interactions. Molecular biology of the cell, 32(16), 1474.

Shi H, et al. (2021) Acyl-CoA oxidase ACOX-1 interacts with a peroxin PEX-5 to play roles in larval development of Haemonchus contortus. PLoS pathogens, 17(7), e1009767.